CLAIMS

1	1.	A structural panel comprising,
2		a sheet of material,
3		a plurality of elongated ribs formed in said sheet of material, and
4		a sealing cap which is adapted to engage a pair of adjacent elongated
5	ribs.	
1	2.	The structural panel recited in claim 1 wherein,
2		said elongated ribs include a plurality of upright ribs which extend
3	upwardly fro	om the surface of said sheet, and
4		a plurality of partial upright ribs which extend upwardly from the surface of
5	said sheet.	
1	3.	The structural panel recited in claim 2 wherein,
2		at least two of said upright ribs are disposed adjacent to each other.
1	4.	The structural panel recited in claim 2 wherein,
2		at least one of said upright ribs and at least one of said partial upright ribs
3	are disposed	d adjacent to each other and adjacent to an edge of said sheet.
1	5.	The structural panel recited in claim 2 wherein,
2		each of said upright ribs includes a first surface which is normal to the
3	surface of sa	aid sheet, and
4		a second surface which is disposed at an angle to said first surface
5	thereof.	

1	0.	The structural parter recited in claim 5 wherein,	
2		a pair of said upright ribs is formed on said sheet with the first surfaces	
3	adjacent to	each other to form a trough therebetween.	
1	7.	The structural panel recited in claim 5 wherein,	
2		each of said partial upright ribs includes a first surface which is normal to	
3	the surface of said sheet.		
1	8.	The structural panel recited in claim 7 wherein,	
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2		a partial upright rib and an upright rib are formed in said sheet with the first	
3	surfaces adjacent to each other to form a trough therebetween.		
1	9.	The structural panel recited in claim 1 wherein,	
2		said sealing cap is a generally inverted U-shaped member which	
3	selectively engages a pair of elongated ribs.		
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1	10.	The structural panel recited in claim 1 wherein,	
2		said elongated ribs are integrally formed in said sheet of material.	
1	11.	The structural panel recited in claim 1 wherein,	
2		said sheet of material is substantially waterproof.	
		,	
1	12.	The structural panel recited in claim 5 wherein,	
2		each of said upright ribs-includes at least one groove existing along said	
3	secon	d surface substantially parallel to the surface of said sheet.	

1	13.	The structural panel recited in claim 12 wherein,	
2		said sealing cap includes a lip at each edge thereof to engage the groove	
3	in said upright ribs.		
1	14.	The structural panel recited in claim 4 wherein,	
•	17.	The structural parier recited in claim 4 wherein,	
2		the upright rib and the partial upright rib disposed adjacent to each other	
3	and adjacent to an edge of said sheet are adapted to overlie and engage the upright rib		
4	and the partial upright rib disposed adjacent to each other and adjacent to an edge of a		
5	second substantially identical structural panel.		
1	15.	The structural panel recited in claim 5 wherein,	
2		the angle between said second surface and said first surface is	
3	approximately 15°.		
1	16.	The structural panel recited in claim 1 wherein,	
2		a plurality of low profile ridges formed in said sheet of material to provide	
3	longitudinal strength for the panel.		
1	17.	The structural panel recited in claim 9 wherein,	
2		each of said pair of elongated ribs comprises upright ribs which form a	
3	trough therebetween which trough is covered by said sealing cap.		
1	18.	The structural panel recited in claim 17 wherein,	
2		said trough is adapted to selectively receive fasteners for fastening said	
3	structural panel to an underlying surface.		